



**Research Proposal for the use of  
Neutron Science Facilities**  
(use LANSCE guidelines to prepare form)

**Proposal Number:**

**Date Rec'd:**

Submit all proposals to: Los Alamos National Laboratory, LANSCE User Office, Los Alamos, NM 87545  
UNCLASSIFIED proposals to MS H831, CLASSIFIED proposals to Mail Station 5000, MS H803

**Nuclear Physics Program Advisory Subcommittee**

☐ Basic Nuclear/Particle Physics      ☐ Nuclear Technology      ☐ Defense-related Nuclear Science

**Materials Program Advisory Subcommittee**

☐ Soft Materials      ☐ Hard Materials      ☐ Dynamics of Materials      ☐ Structural Biology

**Focus Area** (check one in addition to a Materials subcommittee)

☐ Defense-related      ☐ Engineering      ☐ Bio- or Nanoscience      ☐ Geoscience      ☐ General

**TITLE**

☐ New Proposal  
☐ Continuation of Proposal #: \_\_\_\_\_  
Enter # and attach Experiment Report  
☐ Ph.D. Thesis

Local Contact: \_\_\_\_\_

Principal Investigator: \_\_\_\_\_ Citizenship \_\_\_\_\_

Institution & Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Co-Proposers** (attach additional sheets if necessary)

**Institution & Mail Address**

**Citizenship**

**E-mail Address**

Flight Path/Instrument \_\_\_\_\_

Estimated Beam Time (days) \_\_\_\_\_

Dates Desired \_\_\_\_\_

Impossible Dates \_\_\_\_\_

**For DOE-required reporting purposes, please categorize your proposal:**

RESEARCH AREA (check all that apply)		FUNDING AGENCY (check all that apply)	
<input type="checkbox"/> Biological and Life Sciences	<input type="checkbox"/> Materials Science	<input type="checkbox"/> DOE/BES	<input type="checkbox"/> NSF
<input type="checkbox"/> Chemistry	<input type="checkbox"/> Medical Applications	<input type="checkbox"/> DOE/OBER	<input type="checkbox"/> Industry
<input type="checkbox"/> Defense Science	<input type="checkbox"/> Nuclear Physics	<input type="checkbox"/> DOE/DP	<input type="checkbox"/> NASA
<input type="checkbox"/> Earth Sciences	<input type="checkbox"/> Polymers	<input type="checkbox"/> DOE: _____	<input type="checkbox"/> NIH
<input type="checkbox"/> Engineering	<input type="checkbox"/> Solid State Physics	<input type="checkbox"/> DOD	<input type="checkbox"/> Foreign: _____
<input type="checkbox"/> Environmental Sciences	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other US Gov't: _____	
<input type="checkbox"/> Instrument Development	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	

**SAMPLE AND SAFETY DETAILS** Missing information may delay the safety review and potentially result in rejection of the proposal.

WNR/PROTON BEAM PARAMETERS	LUJAN/INSTRUMENT CONFIGURATION
<b>Target 2 (Blue Room proton beam)</b>	<input type="checkbox"/> Standard <input type="checkbox"/> Nonstandard
Proton energy _____	<b>Description of Sample</b>
Macropulse spacing _____	Chemical formula _____
Proton beam spot size _____	Crystallographic Information - Space Group (if applicable) _____
Protons/micropulse _____	a= _____ (Å)      alpha= _____ (°)
Micropulse spacing _____	b= _____ (Å)      beta= _____ (°)
Other _____	c= _____ (Å)      gamma= _____ (°)
_____	Size/Weight _____
_____	How will sample be transported?
_____	<input type="checkbox"/> Hand carry <input type="checkbox"/> Mail, UPS, Fedex <input type="checkbox"/> Other
<b>Target 4 (High energy neutron source)</b>	Explain _____
Micropulse spacing _____	_____
Neutron beam spot size _____	_____

RESOURCES NEEDED/SPECIAL REQUIREMENTS			
<input type="checkbox"/>	Sample Preparation	<input type="checkbox"/>	Mechanical Preparation
<input type="checkbox"/>	Chemical Preparation	<input type="checkbox"/>	Sample Storage
<input type="checkbox"/>	Computer Requirements	<input type="checkbox"/>	Sample Environment
<input type="checkbox"/>	Health Physics	<input type="checkbox"/>	Other:

SAMPLE SAFETY ISSUES			
<input type="checkbox"/> No major safety issues	<input type="checkbox"/> Corrosive Material*	<input type="checkbox"/> Toxic Material*	<input type="checkbox"/> Cryogenic
<input type="checkbox"/> Flammable Material*	<input type="checkbox"/> Radioactive Material*	<input type="checkbox"/> Explosive Material	<input type="checkbox"/> High Pressure
<input type="checkbox"/> Carcinogenic*	<input type="checkbox"/> Biohazardous*	<input type="checkbox"/> Electrical	<input type="checkbox"/> Other: _____

By signing or by electronic submission, I certify that the above information is correct to the best of my knowledge.

Signature	Printed name	Date
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<b>Safety and Feasibility Reviews</b> <i>(to be completed by LANSCE Instrument Scientist/Responsible)</i>		
<input type="checkbox"/> No further safety review required	<input type="checkbox"/> To be reviewed by Experiment Safety Committee	<input type="checkbox"/> Approved by Experiment Safety Committee, Date:
Recommended # of days:	Change PAC Subcommittee to:	Change Instrument to:
Comments for PAC to consider:		
Instrument scientist signature:		
		Date:

**DETAILED STATEMENT OF THE EXPERIMENT OR PROPOSED RESEARCH**

*(Include scientific context; relevance of proposed experiment; why neutrons as opposed to other techniques; preliminary work performed using neutron scattering and other techniques; details of experimental approach. **Materials science proposals are limited to two pages, nuclear physics proposals are unlimited.**)*

**IMPORTANT!** List or attach a list of publications resulting from LANSCE experiments for last three years. If this proposal is for a continuing experiment, attach appropriate Experiment Report or the new proposal will not be submitted for review.

